027 Rac'd PCT/PTO 15 MAR 2006

EV300746816US March 15, 2006

10/572172

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371

Docket No. B-5920PCT 623343-1

International Application No.: PCT/JP2005/007373

Applicant(s) for DO/EO/US:

(1) Masao SHIMIZU (2) Masatoshi OKUTOMI International Filing Date:

12 April 2005

Title of Invention: "MOVEMENT DECISION METHOD FOR CAPTURING SUB-PIXEL MOTION

IMAGE SUITABLE FOR SUPER-RESOLUTION PROCESSING, AND

IMAGE CAPTURING DEVICE USING THE SAME"

Priority Date Claimed: 22 April 2004

U.S. Application No. (if known, see 37 CFR 1.5) NOT YET ASSIGNED

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

- 1. [X] This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.
- 2. [] This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.
- 3. [X] This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
- 4. (X) The U.S. Has been elected (Article 31).
- 5. [X] A copy of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. [%] is attached hereto (required only if not communicated by the International Bureau).
 - b. [] has been communicated by the International Bureau.
 - c. [] is not required, as the application was filed in the United States Receiving Office (RO/US).
- 6. [X] An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. [X] is attached hereto.
 - b. [] has been previously submitted under 35 U.S.C. 154(d)(4).
- 7. [X] Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. [] are attached hereto (required only if not communicated by the International Bureau).
 - b. [] have been communicated by the International Bureau.
 - c. [] have not been made; however, the time limit for making such amendments has NOT expired.
 - d. [X] have not been made and will not be made.
- [] An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
- 9. [X] An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
- 10. [] An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

- 11. [X] An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
- 12. [X] An assignment document for recording. A separate cover sheet with check for \$40.00 in compliance with 37 CFR 3.28 and 3.31 is included.
- (X) A preliminary amendment.
- 14. [] An Application Data Sheet under 37 CFR 1.76.
- 15. [] A substitute specification.
- 16. [] A power of attorney and/or change of address letter.
- 17. [] A computer-readable form of the sequence listing in accordance with PCT rule 13ter.2 and 37CFR 1.821 1.825.
- 18. [] A second copy of the published international application under 35 U.S.C. 154(d)(4).
- 19. [] A second copy of the English language translation of the international application under 35 U.S.C. 354(4)(4).
- 20. [X] Other items or information; copy of published PCT application (51 pages)

 Claim to Priority (1 page)

21. [X] Basic national fee\$ 300.00 = \$_300.00
22. [X] Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)
23. [X] Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority \$ 100.00 International Search Report prepared and provided to the Office \$ 400.00 All other situations
TOTAL OF 21, 22 and 23 • \$ 900.00
[] Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.
Total Sheets Extra sheets # of each additional 50 RATE
or fraction thereof 60 - 100 =
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)). \$
CLAIMS NUMBER FILED NUMBER EXTRA RATE Total claims 12 - 20 = 0 x \$50.00 \$ Independent claims 1 - 3 = 0 x \$200.00 \$
MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$360.00 \$
TOTAL OF ABOVE CALCULATIONS = \$ 900.00
[] Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. (50% of above) \$
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). \$
TOTAL NATIONAL FEE = \$ 900.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + \$
TOTAL FEES ENCLOSED = \$ 900.00
Amount to be refunded: \$charged: \$
[X] A check in the amount of \$ 900.00 to cover the above fees is enclosed.
[] Please charge my Deposit Account No in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.
[X] The commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 12-0415. A duplicate copy of this sheet is enclosed.
[] Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038:
NOFA! Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 QFR 1.497(A) GF (B)) must BB 8648A ARA SFERRED BB 5848A
Sond all correspondence to: LADAS & PARRY 6670 Wilshire Boulevard, Suite 2100 Los Angeles, California 90036-5679 Telephone: (323) 934-2300
Telefax: (323) 934-0202

Page 2 6f 2

IN THE UNITED STATES DESIGNATED OFFICE DO/EO/US

(W D ...

REGARDING THE INTERNATIONAL APPLICATION OF:

(1) Masao SHIMIZU and (2) Masatoshi OKUTOMI

ENTITLED: "MOVEMENT DECISION METHOD FOR CAPTURING SUB-PIXEL MOTION

IMAGE SUITABLE FOR SUPER-RESOLUTION PROCESSING, AND IMAGE
CAPTURING DEVICE USING THE SAME"

INTERNATIONAL APPLN. NO. PCT/JP2005/007373

Our Ref: **B-5920PCT 623343-1**

MAIL STOP PCT

Attn: United States Designated/Elected Office (DO/EO/US)

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

INTERNATIONAL STAGE EXPRESS MAIL CERTIFICATE

"Express Mail" label number **EV300746816US**

Date of Deposit: March 15, 2006

- I hereby certify that the following attached papers or fee
- postcard
- check no. 21304 for \$900.00
- Transmittal Letter (2 pages)
- copy of English-language translation of PCT International Application as filed consisting of:

Specification (38 pages)

Claims (4 pages)

Abstract (1 page)

17 sheets of Drawings (Figs. 1-21)

- copy of PCT Application as filed and published (51 pages)
- Declaration/Power of Attorney (4 pages)
- Claim to Priority (1 page)
- Information Disclosure Statement (IDS) (2 pages) and Form PTO-1449 (modified) (1 page) with copy of International Search Report (4 pages) and copies of foreign patent documents cited therein
- Assignment document (3 pages) with Cover Sheet (1 page), and Check no. 21305 for \$40.00

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service with sufficient postage under 37 CFR 1.10 on the date indicated above in an envelope addressed to "Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450"

Suzanne Johnston

(Typed or printed name of person mailing paper or fee)